

Attorney Docket No.: INEX.P-003-3

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Semple et al.
Serial No.: 10/658,947
Confirmation:
Filed: September 9, 2003
Title: High Efficiency Encapsulation of Charged Therapeutic Agents in Lipid Vesicles

SUBMISSION OF INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants request that the references listed on Substitute Form PTO-1449, which is enclosed, be made of record in the Patent Office file relating to the above-captioned application. Copies of the references are provided herewith.

Applicants advise the Examiner that US Patent Application No. 08/657,753 and US Provisional Application No. 60/073,852 may be of interest.

No fee is believed to be due with this paper as we have not received an action on the merits. The Commissioner is authorized to charge any fees which may be due to Deposit Account Number 15-0610.

Respectfully submitted,

OPPEDAHL & LARSON LLP

Marina T. Larson, PhD , Reg. No. 32,038
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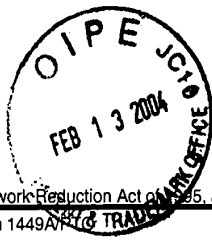
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PTO/SB/08A (06-03)

Approved for use through 07/31/2003. OMB 0651-0031
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
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				First Named Inventor	Sample et al.
				Art Unit	
				Examiner Name	
Sheet	1	of	5	Attorney Docket Number	INEX.P-003-3

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,993,754	11/23/1976	Rahman et al.	
		US- 4,145,410	3/20/1979	Sears	
		US- 4,224,179	9/23/1980	Schneider	
		US- 4,235,871	11/25/1980	Papahadjopoulos et al.	
		US- 4,401,796	8/30/1983	Itakura	
		US- 4,458,066	7/3/1984	Caruthers et al.	
		US- 4,500,707	2/19/1985	Caruthers et al.	
		US- 4,522,803	6/11/1985	Lenk et al.	
		US- 4,588,578	5/13/1986	Fountain et al.	
		US- 5,013,556	5/7/1991	Woodle et al.	
		US- 5,208,036	5/4/1993	Eppstein et al.	
		US- 5,264,618	11/23/1993	Felgner et al.	
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		US- 5,276,019	1/4/1994	Cohen et al.	
		US- 5,279,833	1/18/1994	Rose	
		US- 5,283,185	2/1/1994	Epan et al.	
		US- 5,286,634	2/15/1994	Stadler et al.	
		US- 5,356,633	10/18/1994	Woodle et al.	
		US- 5,532,130	7/2/1996	Alul	
		US- 5,552,155	9/3/1996	Bailey et al.	
		US- 5,665,710	9/9/1997	Rahman et al.	
		US- 5,885,613	3/23/1999	Holland et al.	
		US- 5,976,567	11/2/1999	Wheeler et al.	

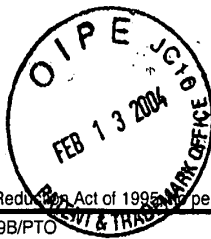
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)				
	✓	WO 00/62813 A2	10/26/2000	The University of British Columbia		
	✓	WO 96/10391 A1	4/11/1996	The University of British Columbia		
	✓	WO 96/10392 A1	4/11/1996	The University of British Columbia		
	✓	WO 96/40964 A2	12/19/1996	Inex Pharmaceuticals Corporation		

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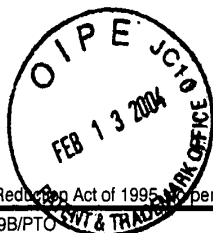
NON PATENT LITERATURE DOCUMENTS			
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	-	AGRAWAL, Antisense oligonucleotides: towards clinical trials, Trends in Biotech, 1996, Page(s) 376-387, Volume 14	
		ATKINSON ET AL., Solid-phase Synthesis of Oligodeoxyribonucleotides by the Phosphite-triester Method, Oligonucleotide Synthesis: A Practical Approach, 1984, Page(s) 35-81, Volume 3	
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		FISKE ET AL., The Colorimetric Determination of Phosphorous, J. Biol. Chem., 1925, Page(s) 375-400, Volume 66, Number 2	
		FROEHLER ET AL., Synthesis of DNA via deoxynucleoside H-phosphonate intermediates, Nucleic Acids Research, 1986, Page(s) 5399-5407, Volume 14, Number 13	
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		JONES, Preparation of Protected Deoxyribonucleosides, Oligonucleotide Synthesis: A Practical Approach, 1984, Page(s) 23-34, Number 2	
		KUNKEL ET AL., Duchenne/Becker muscular dystrophy: A short overview of the gene, the protein, and current diagnostics, British Medical Bulletin, 1989, Page(s) 630-643, Volume 45, Number 3	
		MANNINO ET AL., Liposome Mediated Gene Transfer, Biotechniques, 1988, Page(s) 682-690, Volume 6, Number 7	
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		SINHA ET AL., β -Cyanoethyl N,N-Dialkylamino/N-Morpholinomonocho Phosphoamidites, New Phosphitylating Agents Facilitating Ease of Deprotection and Work-up of Synthesized Oligonucleotides, Tetrahedron Letters, 1983, Page(s) 5843-5846, Volume 24, Number 52	

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		SINHA ET AL., Polymer support oligonucleotide synthesis XVIII: use of β -cyanoethyl-N,N-dialkylamino-/N-morpholino phosphoramidite of deoxynucleosides for the synthesis of DNA fragments simplifying deprotection and isolation of the final product, Nucleic Acids Research, 1984, Page(s) 4539-4557, Volume 12, Number 11	
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		YUDA ET AL., Prolongation of Liposome Circulation Time by Various Derivatives of Polyethyleneglycols, Biol Pharm. Bull., 1996, Pages 1347-1351, Volume 19, No. 10	
		ZELPHATI ET AL., Inhibition of HIV-1 Replication in Cultured Cells with Antisense Oligonucleotides Encapsulated in Immunoliposomes, Antisense Research and Development, 1993, Page(s) 323-338, Volume 3	

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		ZELPHATI ET AL., Liposomes as a carrier for intracellular delivery of antisense oligonucleotides: a real or magic bullet?, Journal of Controlled Release, 1996, Volume 41, Pages 99-119	
		ZELPHATI ET AL., Cationic Liposomes as an Oligonucleotide Carrier: Mechanism of Action, Journal of Liposome Research, 1997, Volume 7, No. 1, Pages 31-49	
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